First Hit Fwd Refs

Generate Collection Print

L6: Entry 4 of 5

File: USPT

Jul 15, 2003

US-PAT-NO: 6594692

DOCUMENT-IDENTIFIER: US 6594692 B1

TITLE: Methods for transacting electronic commerce

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Reisman; Richard R. New York NY 10003

Search Selected

APPL-NO: 08/ 641010 [PALM]
DATE FILED: April 29, 1996

PARENT-CASE:

This application is a continuation-in-part of application Ser. No. 08/251,724, filed May 31, 1994, now patent number U.S. Pat. No. 5,694,546.

INT-CL: [07] $\underline{G06}$ \underline{F} $\underline{17/60}$, $\underline{G06}$ \underline{F} $\underline{15/163}$

US-CL-ISSUED: 709/219; 709/203, 709/225, 705/26 US-CL-CURRENT: 709/219; 705/26, 709/203, 709/225

FIELD-OF-SEARCH: 709/203, 709/206, 709/215, 709/217, 709/221, 709/236, 709/5, 709/2, 705/26, 705/31, 705/6, 705/37, 705/5, 705/32, 705/16, 705/39, 705/14,

705/30, 380/24, 380/25

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
	4059729	November 1977	Eddy et al.	
	4264782	April 1981	Konheim	380/25
	4274139	June 1981	Hodgkinson et al.	709/203
	4432057	February 1984	Daniell et al.	707/8
	4528643	July 1985	Freeny, Jr.	
П	4558413	December 1985	Schmidt et al.	707/203
\Box	4584641	April 1986	Guglicimino	
	4586134	April 1986	Norstedt	

	<u>4604686</u>	August 1986	Reiter et al.	395/500.46
Γ.	4635189	January 1987	Kendall	
Ī	4646229	February 1987	Boyle	
1	<u>4674055</u>	June 1987	Ogaki et al.	
f	4714992	December 1987	Gladney et al.	707/206
1	4714995	December 1987	Materna et al.	707/201
Γ.	4734858	March 1988	Schlafly	705/26
Ī	4745559	May 1988	Willis et al.	705/37
Ι	4746559	May 1988	Nishikawa et al.	428/142
1	4760572	July 1988	Tomikawa	
Ι	4775935	October 1988	Yourick	345/357
Γ.	4796181	January 1989	Wiedemer	
	4797913	January 1989	Kaplan et al.	379/91.02
1	<u>4799156</u>	January 1989	Shavit et al.	
Π.	4815030	March 1989	Cross et al.	364/900
J	4845658	July 1989	Gifford	
1	4868866	September 1989	Williams, Jr.	380/49
Ι	4894857	January 1990	Szlam et al.	379/67
Ī	4935870	June 1990	Burk, Jr. et al.	709/203
Γ.	4947028	August 1990	Gorog	235/380
Г	<u>4973863</u>	November 1990	Gotta, III et al.	326/78
Γ.	4974149	November 1990	Valenti	395/200.47
	4984155	January 1991	Geier et al.	
<u></u>	<u>4992940</u>	February 1991	Dworkin	705/26
I	5008814	April 1991	Mathur	709/221
Ι	5008853	April 1991	Bly et al.	345/331
Γ.	5019963	May 1991	Alderson et al.	707/201
Γ.	5047928	September 1991	Wiedemer	
1	<u>5077607</u>	December 1991	Johnson et al.	348/13
1	5101402	March 1992	Chiu et al.	
Ι	5103392	April 1992	Mori	380/4
Γ.	<u>5133075</u>	July 1992	Risch	395/800
1	5142680	August 1992	Ottman et al.	
Ι	<u>5155484</u>	October 1992	Chambers, IV	
Γ.	5155591	October 1992	Wachob	
Γ	<u>5155680</u>	October 1992	Wiedemer	
Π	<u>5155847</u>	October 1992	Kirouac et al.	395/600
	<u>5157783</u>	October 1992	Anderson et al.	

	5165020	November 1992	Sudama et al.	
	5167013	November 1992	Hube et al.	358/1.11
	<u>5185697</u>	February 1993	Jacobs et al.	
	<u>5187787</u>	February 1993	Skeen et al.	
	5191410	March 1993	McCalley et al.	348/13
	5204897	April 1993	Wyman	710/200
	5220501	June 1993	Lawlor et al.	308/24
	<u>5220657</u>	June 1993	Bly et al.	711/152
	5226161	July 1993	Khoyi et al.	709/303
	5229814	July 1993	Hube et al.	399/14
	5247683	September 1993	Holmes et al.	
	5257369	October 1993	Skeen et al.	709/300
	5260999	November 1993	Wyman	705/59
	5263164	November 1993	Kannady et al.	
	5267171	November 1993	Suzuki et al.	
	5280610	January 1994	Travis, Jr. et al.	707/103
	<u>5287504</u>	February 1994	Carpenter et al.	707/201
	5289371	February 1994	Abel et al.	
Π	5297031	March 1994	Gutterman et al.	705/37
	5297249	March 1994	Bernstein et al.	345/356
	5303379	April 1994	Khoyi et al.	395/710
	5303393	April 1994	Noreen et al.	
	5309355	May 1994	Lockwood	705/6
	5319542	June 1994	King, Jr. et al.	
	5321750	June 1994	Nadan	
	5331543	July 1994	Yajima et al.	705/31
	5337360	August 1994	Fischer	
	5341478	August 1994	Travis, Jr. et al.	709/203
	<u>5359730</u>	October 1994	Marron	395/712
П	5367627	November 1994	Johnson	345/357
	5367686	November 1994	Fisher et al.	
	5371852	December 1994	Attanasio et al.	370/401
	5379424	January 1995	Morimoto et al.	
	5386369	January 1995	Christiano	
Π	5388211	February 1995	Hornbuckle	
	5390247	February 1995	Fischer	
	5396546	March 1995	Remillard	379/93.24

	5404488	April 1995	Kerrigan et al.	711/133
	5404505	April 1995	Levinson	
	5406557	April 1995	Baudoin	370/407
	5410646	April 1995	Tondevold et al.	707/507
	5410698	April 1995	Danneels et al.	
	5415416	May 1995	Scagnelli et al.	463/25
	<u>5418713</u>	May 1995	Allen	705/32
	<u>5419820</u>	May 1995	Horton et al.	707/3
	5421009	May 1995	Platt	395/200.51
	5426747	June 1995	Weinreb et al.	711/203
	5434999	July 1995	Goire et al.	
П	5440744	August 1995	Jacobson et al.	709/203
	5442791	August 1995	Wrabetz et al.	395/674
	5450589	September 1995	Maebayashi et al.	
	5452447	September 1995	Nelson et al.	707/205
	5457795	October 1995	Willman	
	5459506	October 1995	Bushnell	
	5461667	October 1995	Remillard	379/93.24
	5473772	December 1995	Halliwell et al.	
П	5483586	January 1996	Sussman	
	5485370	January 1996	Moss et al.	709/217
	5491800	February 1996	Goldsmith et al.	395/200.51
	<u>5491820</u>	February 1996	Belove et al.	707/3
	5495411	February 1996	Ananda	
	5495610	February 1996	Shing et al.	709/221
	5496177	March 1996	Collia et al.	
	5497491	March 1996	Mitchell et al.	709/303
	5499343	March 1996	Pettus	709/203
	5499357	March 1996	Sonty et al.	
	5504589	April 1996	Montague et al.	358/403
	<u>5509070</u>	April 1996	Schull	380/4
	5187787	May 1996	Skeen et al.	395/600
	5515508	May 1996	Pettus et al.	703/203
	5519769	May 1996	Weinberger et al.	379/112
	5519875	May 1996	Yokoyama et al.	
	5528490	June 1996	Hill	
	5530852	June 1996	Meske, Jr. et al.	395/200.36

	5537417	July 1996	Sharma et al.	
	5539735	July 1996	Moskowitz	370/420
	5541991	July 1996	Benson et al.	
	5544320	August 1996	Konrad	395/200.33
	5548645	August 1996	Ananda	
П	5548726	August 1996	Pettus	709/221
	<u>5552806</u>	September 1996	Lenchik	345/156
	5553223	September 1996	Greenlee et al.	
	5555416	September 1996	Owens et al.	
	5555427	September 1996	Aoe et al.	709/201
	5557724	September 1996	Sampat et al.	
	<u>5557793</u>	September 1996	Koerber	707/103
	5557798	September 1996	Skeen et al.	705/35
	5560008	September 1996	Johnson et al.	713/201
	5560012	September 1996	Ryu et al.	395/701
	5564051	October 1996	Halliwell et al.	707/200
	5566302	October 1996	Khalidi et al.	709/300
	5572643	November 1996	Judson	395/200.45
Γ	5576951	November 1996	Lockwood	705/27
П	<u>5577244</u>	November 1996	Killebrew et al.	395/703
	5577251	November 1996	Hamilton et al.	395/671
	<u>5579537</u>	November 1996	Takahisa	
П	5581755	December 1996	Koerber et al.	707/103
	<u>5581761</u>	December 1996	Radia et al.	395/702
	5581764	December 1996	Fitzgerald et al.	395/703
	5586304	December 1996	Stupek, Jr. et al.	
	<u>5586311</u>	December 1996	Davies et al.	707/1
П	<u>5586322</u>	December 1996	Beck et al.	
	5586326	December 1996	Ryu et al.	395/701
	5594910	January 1997	Filepp et al.	712/28
	<u>5596720</u>	January 1997	Hamada et al.	709/206
	<u>5596746</u>	January 1997	Shen et al.	707/101
	5600834	February 1997	Howard	707/201
	5602993	February 1997	Stromberg	
	<u>5604542</u>	February 1997	Dedrick	
	5606493	February 1997	Duscher et al.	364/134
	<u>5608874</u>	March 1997	Ogawa et al.	709/246

5615112	March 1997	Liu Sheng et al.	707/104
5619710	April 1997	Travis, Jr. et al.	
<u>5623605</u>	April 1997	Keshav et al.	395/200.66
<u>5623656</u>	April 1997	Lyons	707/10
5623661	April 1997	Hon	707/1
5623690	April 1997	Palmer et al.	
5625818	April 1997	Zarmer et al.	707/104
5627940	May 1997	Rohra et al.	704/9
5628005	May 1997	Hurvig	707/8
<u>5630066</u>	May 1997	Gosling	395/200.51
5630092	May 1997	Carreiro et al.	711/111
5630103	May 1997	Smith et al.	
5630116	May 1997	Takaya et al.	707/201
5634010	May 1997	Ciscon et al.	709/223
<u>5635979</u>	June 1997	Kostreski et al.	348/13
<u>5638446</u>	June 1997	Rubin	
5640501	June 1997	Turpin	707/507
5640564	June 1997	Hamilton et al.	709/303
<u>5640577</u>	June 1997	Scharmer	707/507
5642419	June 1997	Rosen	380/23
5644764	July 1997	Johnson et al.	707/103
<u>5646992</u>	July 1997	Subler et al.	380/4
5649192	July 1997	Stucky	707/103
<u>5652887</u>	July 1997	Dewey et al.	709/303
<u>5654901</u>	August 1997	Boman	
<u>5664111</u>	September 1997	Nahan et al.	705/27
<u>5664207</u>	September 1997	Crumpler et al.	707/505
<u>5666493</u>	September 1997	Wojcik et al.	
<u>5668997</u>	September 1997	Lynch-Freshner et al.	709/303
5673322	September 1997	Pepe et al.	380/49
<u>5678002</u>	October 1997	Fawcett et al.	
5680548	October 1997	Trugman	709/226
5680617	October 1997	Gough et al.	395/615
5682532	October 1997	Remington et al.	709/303
5682533	October 1997	Siljestroemer	
5684984	November 1997	Jones et al.	707/10
<u>5684991</u>	November 1997	Malcolm	707/204

	5689708	November 1997	Regnier et al.	709/229
	5694546	December 1997	Reisman	705/26
	5694549	December 1997	Carlin et al.	395/200.18
	5694551	December 1997	Doyle et al.	705/26
	5694596	December 1997	Campbell	
	5701451	December 1997	Rogers et al.	
	5706434	January 1998	Kremen et al.	709/218
	<u>5708709</u>	January 1998	Rose	
	<u>5708780</u>	January 1998	Levergood et al.	709/229
	5710887	January 1998	Chelliah et al.	
	5710918	January 1998	Lagarde et al.	707/10
	<u>5715314</u>	February 1998	Payne et al.	705/27
	<u>5715399</u>	February 1998	Bezos	705/78
	<u>5717930</u>	February 1998	Imai et al.	
	<u>5721824</u>	February 1998	Taylor	
	5721911	February 1998	Ha et al.	707/100
	5724424	March 1998	Gifford	380/24
	5727163	March 1998	Bezos	705/27
	<u>5732275</u>	March 1998	Kullick et al.	
	5734719	March 1998	Tsevdos et al.	
	5742829	April 1998	Davis et al.	
	<u>5745681</u>	April 1998	Levine et al.	705/1
	<u>5748960</u>	May 1998	Fischer	
	<u>5758126</u>	May 1998	Daniels et al.	345/333
	<u>5761200</u>	June 1998	Hsieh	370/364
	5761499	June 1998	Sonderegger	
П	<u>5761649</u>	June 1998	Hill	714/701
	<u>5761677</u>	June 1998	Senator et al.	707/203
	<u>5761678</u>	June 1998	Bendert et al.	707/204
	<u>5764906</u>	June 1998	Edelstein et al.	
	5764992	June 1998	Kullick et al.	
	<u>5768521</u>	June 1998	Dedrick	709/224
	5768528	June 1998	Stumm	709/231
	5771354	June 1998	Crawford	709/229
	5774670	June 1998	Montulli	
	5784562	July 1998	Diener	
	<u>5790793</u>	August 1998	Higley	709/218

	5793980	August 1998	Glaser et al.	
	5794210	August 1998	Goldhaber et al.	
	<u>5809076</u>	September 1998	Hofmann	
П	5809144	September 1998	Sirbu et al.	
	5809287	September 1998	Stupek, Jr. et al.	
	5812776	September 1998	Gifford	709/217
	5819034	October 1998	Joseph et al.	
	<u>5826242</u>	October 1998	Montulli	
	<u>5835911</u>	November 1998	Nakagawa et al.	
	<u>5838906</u>	November 1998	Doyle et al.	
Γ	5845077	December 1998	Fawcett	
	<u>5845090</u>	December 1998	Collins, III et al.	
	<u>5848396</u>	December 1998	Gerace	
	5860012	January 1999	Luu	
	<u>5862325</u>	January 1999	Reed et al.	395/200.31
	5862362	January 1999	Somasegar et al.	
	5909492	June 1999	Payne et al.	380/24
	<u>5909581</u>	June 1999	Park	
	<u>5910987</u>	June 1999	Ginter et al.	380/24
	<u>5918014</u>	June 1999	Robinson	
	<u>5918054</u>	June 1999	Jury et al.	717/11
	5918213	June 1999	Bernard et al.	705/26
	<u>5926796</u>	July 1999	Walker et al.	705/16
	<u>5937197</u>	August 1999	Jury	717/11
	<u>5949876</u>	September 1999	Ginter et al.	380/4
	5960189	September 1999	Stupek, Jr. et al.	
	5963915	October 1999	Kirsch	
	5982891	November 1999	Ginter et al.	380/4
	5983207	November 1999	Turk et al.	705/39
	5987501	November 1999	Hamilton et al.	
	<u>5991735</u>	November 1999	Gerace	
	6005561	December 1999	Hawkins et al.	
	6016509	January 2000	Dedrick	709/224
	6016520	January 2000	Facq et al.	
	6029142	February 2000	Hill	
	6029175	February 2000	Chow et al.	
	6031977	February 2000	Pettus	

6038586	March 2000	Frye	
6044205	March 2000	Reed et al.	395/200.31
6047129	April 2000	Frye	
6049671	April 2000	Slivka et al.	
6049785	April 2000	Gifford	705/39
6055510	April 2000	Henrick et al.	705/14
6055573	April 2000	Gardenswartz et al.	709/224
6073214	June 2000	Fawcett	
6085256	July 2000	Kitano et al.	709/303
6118860	September 2000	Hillson et al.	379/155
6119152	September 2000	Carlin et al.	709/217
6119160	September 2000	Zhang et al.	709/224
6125388	September 2000	Reisman	709/218
6144946	November 2000	Iwamura	705/30
6151643	November 2000	Cheng et al.	
6195649	February 2001	Gifford	
6199051	March 2001	Gifford	
6205437	March 2001	Gifford	
6256668	July 2001	Slivka et al.	
6323894	November 2001	Katz	
6327617	December 2001	Fawcett	
6594546	December 2001	Reisman	
	6044205 6047129 6049671 6049785 6055510 6055573 6073214 6085256 6118860 6119152 6119160 6125388 6144946 6151643 6195649 6199051 6205437 6256668 6323894 6327617	6044205 March 2000 6047129 April 2000 6049671 April 2000 6049785 April 2000 6055510 April 2000 6055573 April 2000 6073214 June 2000 6085256 July 2000 6118860 September 2000 6119152 September 2000 6119160 September 2000 6125388 September 2000 6144946 November 2000 6151643 November 2000 6195649 February 2001 6199051 March 2001 6205437 March 2001 6256668 July 2001 6323894 November 2001 6327617 December 2001	6044205 March 2000 Reed et al. 6047129 April 2000 Frye 6049671 April 2000 Slivka et al. 6049785 April 2000 Gifford 6055510 April 2000 Gardenswartz et al. 6073214 June 2000 Fawcett 6085256 July 2000 Kitano et al. 6118860 September 2000 Hillson et al. 6119152 September 2000 Carlin et al. 6119160 September 2000 Reisman 6144946 November 2000 Reisman 6144946 November 2000 Cheng et al. 6195649 February 2001 Gifford 6199051 March 2001 Gifford 6205437 March 2001 Gifford 6256668 July 2001 Slivka et al. 6323894 November 2001 Fawcett

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY US-	-CL
0 680 185	April 1995	EP	
0 845 747	June 1998	EP	
0 855 659	July 1998	EP	
0 855 687	July 1998	EP	
0 883 076	December 1998	EP	
2291228	January 1996	GB	
360229138	November 1985	JP	
362053085	March 1987	JP	
403230234	October 1991	JP	
404142620	May 1992	JP	
WO 94/25913	November 1994	WO	
WO 94/25923	November 1994	WO	
WO 94/25924	November 1994	WO	
WO 95/30961	November 1995	WO	

 WO
 96/38799
 December 1996
 WO

 97/32251
 September 1997
 WO

 WO
 98/21679
 May 1998
 WO

OTHER PUBLICATIONS

"New File <FEE041> Express Access(New Jersey)", Peter Scott, Jun. 19, 1993, Newsgroups:bit.listserv.hytel-I.* "Beginners Guide to Internet Stuff", Kevin Hintergardt, Apr. 28, 1994, Newsgroups: alt.winsock.* "How to ftp patches", John Morris, Apr. 20, 1994, Newsgroups: comp.sys.hp,hpux.* "RE: Terminal emulators which provide automated file transfer", Don Libes, May 9, 1992, Newgroups: comp.sys.sun.misc.* "Re: telnet in a shell script", Dan Bernstein, Nov. 13, 1990, Newgroups:comp.unix.admin.* "Universal Access--\$8.95 unlimited Internet access", Doug Humphrey, Jul. 15, 1993, Newgroups: alt.bbs.internet.* "Re:Internet Access to GPO Federal Bulletin Board", Smcgarr, Mar. 29, 1994, Newsgroups: bit.listserv.govdoc-I.* "Re: Fed Dep Manual on Internet ?", Smcgarr, May 17, 1994, Newsgroups: bit.listserv.govdoc-I.* "Federal Bulletin Board", Terry Carroll, Sep. 29, 1992, Newgroups:misc.legal.* Herman, "GPO bulletin board opens gateway to agency info. (the Government Printing Office's electronic bulletin board)", Federal Computer Week, v6, n26, p1(2), Aug. 1992.* Fowler, "Treading the boards: BBS that draw you closer to the Internet, and away disaster", Computer Shopper, v13, n10, p608(2), Oct. 1993.* Hallman, "Exploring the Internet", Aug. 1992, http://sunsite.unicamp.br/pub/ docs/ about-the-net/ internet-tutorials/ exploring oit.* Ubois, "Electronic bulletin board help companies communicate: BSS offer an efficient, cost-effective way to exchange information" Dec. 1992.* Http://www.math.osu.edu/local/cac-access/access "93.60 Ectronic Information Access at Penn State", Sep. 1993.* http://ftp.sunset.se/pub/etext/wiretap-classic-library/online.txt, "The online world", 9.1993.* Advertisement of BIX, "Byte", Feb. 1993.* Vaughan-Nichols, "Lotus and CIS team up on Notes; Wall Street Edge on Prodigy; new Internet options", Computer Shopper, v13, n7, 0.562(2), Jul. 1993.* Http://www-fhi-berlin.mpg.de/amiga/ar/ar201/p4-9.html, Nov. 1994.* http://www.cpsr.org/cpsr/nii/imp-archive.* Http://www.evolution.com/press/boardwatch Dec. 1992.* "Applications for the TCP/IP telent protcols", IBM TDB vol. 35, No. 4B, p. 258-260.* "Http:://www.nyx.net/history.html".* "Http:://www.cpsr.org/cpsr/nii/imp Amsterdam-minutes.txt"--"Internet Mercantile Protocols BOF", Jul. 14, 1993.* "Automatic Patch Retrieval & Installation," by Stephanie Hamel, Newgroups: comp.sys.sun.admin, 19994-03-08 (Two Copies). "HP-UX Patch Availability," by John Milburn, Newsgroups: comp.sys.hp, Aug. 18, 1993. "Patch Repository Now Open: rs6000.cmo.ilstu.edu," by Jean Liddle, Nowesgroups: comp.os.linus, Sep. 8, 1992. "OKBRIDGE: Frequency Asked Questions," by Matthew Cleeg, Newsgroups: rec.games.bridge, Jul. 2, 1992. "TisBITS#125/25-May-92," by Adam C. Engst, Newsgroups: comp.sys.mac.digest, May 26, "Retrospect Users Guide," Dantz Development Corp., Berkley, CA. (1993). "About 1-Click ordering" at Amazon.com, 4 pages.

```
"Article 16113 of alt.comp.acad-freddomtalk:", Chronicle of Higher Education,
http://invitro.umassmed.edu/lml/aup/supporting docs/privacy.txt.
"E-Commerce as easy as 1-2-3", 1 Click Commerce.com.
"Elcom Services Group, Company Profile," http://www.catalink.com/vision.html.
"Establishing a Vitural Session for Web Applications,"
http://ats.byu.edu/FCSDocs/VSMTheory.html.
"Extensibility and Mini Applications," Ch. 13, http;//www.viola.org/book/chp
13.html.
"Java History," http://ils.unc.edu/blaze/java.javahist.html.
"Java History," On-line Magazine, http://gates.comm.virginia.edu/mp16s/emerging
tech/java history.htm.
"The Cookies Page", Electronic Privacy Information Center,
http://www.epic.org/privacy/internet/cookies/.
"The Viola Home Page," http://www.viola.org/.
"Viola in a Nutshell: Preface," http://www.viola.org/book/preface/html.
"Viola WWW Features List," http://www.viola.org/vwFeatures.html.
"Virtual Library Mirror Procedures,"
http://www.wdvl.com/WDVL/Website/Update/mirror vlib.htnl.
Breitenbach, Zach and Irlbeck, Susan, "Cookies,"
http://ecommerce.ncsu.edu/cs413/student-work/Cookies/Cookies.ppt.
Kiplinger's CA--Simply Money User Guide, pp. (7-31)--(7-37).
Kirriemuir, J.P. and Knight, J. "Mirroring and caching network-based resources".
Listing of various patents by Netcentives Inc., Open Market Inc., Amazon.com Inc.,
First Virtual Holdings inc., V-Cast, Inc., Citibank, and CyberGold,
http://www.google.com/search?q=cache:YL833u-zdDUC:www,ryuka.com/ecpat. html+ryuka%
22commerce%22&hl=en.
Mayer-Schonberger, V., "The Internet and Privacy Legislation: Cookies for a
Treat?, "http://www/wvjolt.wvu.edu/wvjolt/current/issuel/articles/mayer/mayer.htm.
Richmond, A. and Richmond, L., "suPerlative: Development and Public Servers"
http://www/wdvl.com/Software/Perl/Mirror.html.
Weber, Thomas, "The Man Who Baked The First Web Cookies Chews Over Their Fate",
Wall Street Journal, E-World.
"Automated Replacement of System Software Units", IBM Technical Disclosure
Bulletin, pp. 3137-3138, Mar. 1971.
Daniels, D. and Spector, A.Z., "An Algorithm for Replicated Directories," 2.sup.nd
PODC Conference Proceedings, ACM, Copyright 1983.
Fuchs, W.K., et al., "Low-Cost Comparison and Diagnosis of Large Remotely Located
Files," Fifth Symposium on Reliability in Distributed Software and Database
Systems, IEEE Computer Society, pp. 67-73, Jan. 1986.
"Method to Control Software-Update Applications", IBM Technical Disclosure
Bulletin, pp. 5059-5060, Apr. 1987.
"CompuServe Information Services; Users Guide", pp. 119-127; 153-163; 235-243;
Copyright 1988.
Symborski, Carl W., "Updating Software And Configuration Data In A Distributed
Communications Network", IEEE, Copyright 1988.
A. DeScon and R. Braden, Background File Transfer Program (BFTP), Network Working
Group Request for Comments: 1068, Aug. 1988.
Gopal, I. and Segall, A., "Directories for Networks with Casually Connected Users,"
Computer Networks and ISDN Systems 18, pp. 255-262, 1989-1990.
Rothfeder, J., "Dow Jones Makes A Young Dog Do New Tricks", Business Weekly, pp. 89
& 92, Jan. 16, 1989.
Sarin, S. et al., "A Flexible Algorithm for Replicated Directory Management," IEEE
9.sup.th International Conference on Distributed Computing System, pp. 456-464,
Jun. 1989.
Shafer, Steven and Thompson, Mary, "The SUP Software Upgrade Protocol", Carnegie
Mellon University School of Computer Science, Sep. 7, 1989.
Segal, Mark E. amd Frieder, Ophir, "Dynamically Updating Distributed Software:
Supporting Change in Uncertain and Mistrustful Environments", IEEE Proceedings
Conference on Software Maintenance--1989, Oct. 16-19, 1989.
Bowen, C. and Peyton, D., "Compuserve Information Manager, The Complete
```

```
Sourcebook", Copyright 1990.
```

T. Little & A. Ghafoor "Synchronization and Storage Models for Multimedia Objects" 1990 IEEE, Apr. 1990.

Jia, X et al., "Highly Concurrent Directory Management in the GALAXY Distributed System," IEEE 10.sup.th International Conference on Distributed Computing Systems, pp. 416-423, May/Jun. 1990.

Mori et al., "Superdistribution: The Concept and the Architecture," The Transactions of the IEICE, vol. E 73, No. 7, pp. 1133-1146, Jul. 1990.

Cheng, H.S. and Sheu, J.P., "Design and Implementation of a Distributed File System," Software--Practice and Experience, vol. 21(7), pp. 657-675, Jul. 1991.

Anderson, P., "Managing Program Binaries in a Heterogeneous UNIX Network," LISA V, San Diego, CA Sep. 30-Oct. 3, 1991.

Rich, K. and Leadley, S., "hobgoblin: A File and Directory Auditor," LISA V, San Diego, pp. 199-207, Sep. 30-Oct. 3, 1991.

Satdeva, B. Moriarty, P.M., "Fdist: A Domain Based File Distribution System for a Heterogeneous Environment," LISA V, San Diego, CA, pp. 109-125, Sep. 30-Oct. 3, 1991.

Sellens, J., "Software Maintenance in a Campus Environment: The Xhier Approach," LISA V, San Diego, CA, pp. 21-28, Sep. 30-Oct. 3, 1991.

Dyson, E., "Friendly Invoices", Forbes, Copyright 1992.

Bits & Bytes, Business Week, p. 126 I, Jun. 15, 1992.

Google--Advanced Group Search Results; see: "User's Guide for Public Access to the Federal Bulletin Board," The Federal Bulletin Board, U.S. GPO,

http://groups.google.com/ groups?q=terry+carroll++%22government+printing+office% 22&hl=en&as drrb=b&a

s_mind=12&as_minm=5&as_miny=1981&as_maxd=12&as_maxm=2&as_maxy=1993&selm=16t y0294245p01%40JUTS.ccc.amdahl.com&rnum=2, Sep. 1992.

Fletcher, Mark, "doit: A Network Software Managment Tool", USENIX Association, Proceedings of the Sixth Systems Administration Conference (LISA VI), Long Beach, CA, Oct. 19-23, 1992.

Symonds, W. C., "Getting Rid Of Paper Is Just The Beginning", Business Week, Dec. 21, 1992.

"EDI Transaction Set Reference Card"; TSI International, Copyright 1993.

"Experience Network Specifying Wizardry!," NetSource advertisement, 1993.

"Quicken, Quicken Companion And More . . . ", Intuit advertisement, Copyright 1993.

"Smart Investors Watch the Market. StreetSmart Investors Get a Windows View," Charles Schwab StreetSmart investing software for Windows advertisement, Copyright 1993.

"The First Electronic Superstore Just Opened on Your PC," PECOS Catalink Direct pamphlet, Copyright 1993.

IDD Information Services Tradeline Electronic Stock Guide subscription information and update coupon, 1993.

Rozenblit, M., "O, A & M Capabilities for Switching Software Management," IEEE Global Telecommunications Conference, pp. 357-361, Copyright 1993.

Google--Advanced Group Search Results; see: http://groups.google.com/ groups? q=eudora+%22steven+dorner%22&hl=en&as_drrb=b&as_mind=12&as_minm=5&a s miny=1981&as maxd=12.

Article 10383 of comp.lang.perl., URL:www.metronet.com/perl/scripts/ftpstuff/ftpr, Apr. 6, 1993.

"Hypertext Mark Up Language (HTML)," http://www.w3.org/MarkUP/draft-ietf-iiir-html-01, Jun. 1993.

Article 3893 of comp.lang.perl: Xref: feenix.metronet.com comp.lang.perl:3893, URL:www.metronet.com/perlinfo/scripts/ftpstuff/ftpget, Jun. 30, 1993.

Bits & Bytes, Business Week, p. 140 D, Jul. 12, 1993.

Article 5397 of comp.lang.perl: Xref: feenix.metronet.com comp.infosystems.www:1336 comp.lang.perl:5397, URL:ftp.telecom.sk/pub/mirror/CPAN/scripts/i . . . WWW//http.get.pl, Aug. 25, 1993.

Howard, J.H., "Using Reconciliation to Share Files Between Occasionally Connected Computers," IEEE Fourth Workshop on Workstation Operating Systems, pp. 56-60, Oct.

```
1993.
Kramer, Matt, "Off-line readers keep users afloat in sea of E-mail", PC Week
Special Report, pp. 94, 96, 99, Oct. 4, 1993.
Wong, W.C., "Local Disk Depot--Customizing the Software Environment," 1993 LISA,
Monterey, CA, pp. 51-55, Nov. 1-5, 1993.
"10-Fill-out Forms and Input fields,"
http://www.w3.org/MarkUp/HTMLPlus/htmlplus 41.html, Nov. 8, 1993.
"1-HTML+Discussion Document," Parts 1.1-1.4,
http://www.w3.org/MarkUp/HTMLPlus/htmlplus (2-6).html, Nov. 8, 1993.
Letter to Dick Reisman from DRI/McGraw-Hill including literature explaining company
and its data service, Nov. 18, 1993.
Mirror(1L) Misc. Reference Manual Pages Mirror(1L)Name mirror--mirror packages on
remote sites URL:nic.funet.fi/FUNET/hamster.mirror.txt, Dec. 2, 1993.
"The PECOS User Guide," Catalink Direct PECOS Personal Electronic Catalog and
Ordering system, Dec. 7, 1993.
"Trading Partner PC: Affordable, high-performance EDI software for Windows", TSI
International Software Ltd., Copyright 1994.
Banks, M. "Welcome to . . . Compuserve for Windows", Copyright 1994.
Branwyn, "Mosaic Quick Tour for MAC", Ventana Press, Inc., Chapel Hill, NC,
Copyright 1994.
Branwyn, "Mosaic Quick Tour for Windows", Ventana Press, Inc., Chapel Hill, NC,
Copyright 1994.
Davis, S., "Compuserve Information Manager for Windows: Complete Handbook and
Membership Kit", Copyright 1994.
Lichty, T., American Online's Internet: Easy Graphical Access-The AOL way Windows
Edition, pp. 123-163, Coptrighy 1994.
Lichty, T., The Official American Online for Macintosh Tour Guide, 2.sup.nd Ed.,
Version 2.5, pp. 135-178, Copyright 1994.
Lee McLoughlin, usr/bin/perl--Mirror Master--Run Several Mirrors in Parallel,
URL:strucbio. biologie.uni-konstanz.de/pdb/mirror/mm, Jan. 18, 1994.
"Financing the New Media", 1994 Intermedia Conference Proceedings on CD-ROM, San
Jose, CA, Mar. 1-3, 1994.
"Industry Announcements", 1994 Intermedia Conference Proceedings on CD-ROM, San
Jose, CA, Mar. 1-3, 1994.
Jack Lund, local/bin/perlbin/perl--urlget--Get a Document Given a WWW URL,
URL:www.chemie.uni-dortmund.del/.about.loki/exp/urlget, Mar. 23, 1994.
Smalley, "Hermes Nears Finish Line; Bloodhound will be Part of Summer Debut", PC
Week, vol. 11, No. 19, p. 31, May 16, 1994.
Google--Advanced Group Search Results; see: "Depository Use of the Federal Bulletin
Board," http://groups.google.com/ groups?
q=qovernment+printing+office+credit+bbs&hl=en&as drrb=b&as mind=12&
as minm=5&as miny=1981&as maxd=20&as maxm=5&as maxy=1994&selm=19.
Boly, Jean-Paul, et al., "The ESPIRIT Project CAFE--High Security Digital Payment
Systems", Securicom '94, Paris, Jun. 1994.
Powell Crowe, E., "Log Me On, Log Me Off", Computeruser.com,
http://www.computeruser.com/magazine/national/1204/nets1204.html, Jul. 5, 1994.
"A Brief Overview of the Viola Engine, and its Applications,"
http://www.viola.org/violaIntro.html, Aug. 16, 1994.
Darrow, et al., "Microsoft Debuts Low-Cost NT 3.5", Computer Reseller News,
(596):1-2, Sep. 19, 1994.
Anderson, P., "Towards a High-Level Machine Configuration System", 8th USENIX
System Adminstration Conference, San Diego, California, Sep. 19-23, 1994.
Eirich, Thomas, "Beam: A Tool for Flexible Software Update", 1994 LISA, San Diego,
CA, Sep. 19-23, 1994.
Harlander, Magnus, "Central System Administration in a Heterogeneous Unix
Environment: GetNUAdmin", 1994 LISA, San Diego, CA, Sep. 19-23, 1994.
Hideyo Imazu, "OMNICONF--Making OS Upgrades and Disk Crash Recovery Easier", 1994
LISA, San Diego, CA, Sep. 19-23, 1994.
Moore, "SMS Debut Draws Crowds, Queries; Corporate Role Remains Uncertain",
Computerworld, vol. 28, No. 38, p. 14, Sep. 19, 1994.
```

```
Rouillard, J. and Martin, R., "Config: A Mechanism for Installing and Tracking
System Configuations", 1994 LISA, San Diego, CA Sep. 19-23, 1994.
Pei Wei O'Reilly & Associates, "Extensibility in WWW Browsers", Stanford Computer
Forin WWW Workshop, 3 pages, Sep. 20-21, 1994.
Pei Wei, O'Reilly & Associates, "WWW Browers: Extensibility Issues", Stanford
Computer Forun WWW Workshop, 1 page, Sep. 20-21, 1994.
"Office New and Mail (My Choice)," http://cpcug.org/user/mtk/offline.zip, Oct. 18,
"Mercury Operator's Log," Oct. 26 http://www.usc.edu/dept/raiders/logs/alpha-log
941202-941224.html, Dec. 1, 1994.
Levy, S., "E-Money (That's What I Want)",
http://www.wired.com/wired/archive/2.12/emoney pr.html, Dec. 1994.
Palme, Jacob, "Issues and Concepts in Senior Online", Senior Online, Telematics
DE4002, Report D6.1, Dec. 1994.
"Enable Persistent Cookies,
"http://orange.kame.net/dev/cvsweb.cgi/kame/freebsd3/ports/lynx /Makefile.diff?
r1=1.4&rs=1, Dec. 15, 1994.
Murphy, Sean, "The state WWW biz", Electronic Engineering Times, p. 80, Dec. 19,
1994.
"Compuserve Information Manager for Windows--User's Guide," Copyright 1995.
"Session Tracking ", The Java Tutorial,
http://java.sun.com/docs/books/tutorial/servlets/client-state/ session-
tracking.html, Copyright 1995-2001.
Grosse, Eric, "Repository Mirroring", ACM Transactions on Mathematical Software,
vol. 21, No. 1, pp. 89-97, Mar. 1995.
"ecash-info: How the Web Was Won,"
http://www.open4success.com/Olnews/rballard/001.html, May 3, 1995.
Wingfield, "Netscape Inks Pact with Sun, Macromedia", InfoWorld, vol. 17, No. 22,
p. 16, May 29, 1995.
Schroeder, Erica and Knowles, Anne, "Windows 95 rushes the Net", PC Week, vol. 12,
No. 34, Aug. 28, 1995.
Osel, P. and Gansheimer W., "OpenDist--Incremental Software Distribution", 1995
LISA IX, Monterey, CA Sep. 17-22, 1995.
"HTML 2.0 Materials," http://www/w3.org/MarkUp/html-spec, Nov. 1995.
"Cookie and Privacy FAQ", http://www.cookiecentral.com/content.phtml?area=4&id=10,
Copyright 1996-2002.
"History of Sun and the Web," http://www.sun.co.jp:8080/sun-on-net/history.html,
Copyright 1996.
"The Evolution of Cyberspace 10.1," http://www.javasoft.com/doc/language
environment/HotJava.doc.1.html, Copyright 1996.
Froomkin, A. M., "Flood Control on the Information Ocean: Living With Anonymity,
Digital Cash, and Distributed Databases",
http://www.law.miami.edu/.about.froomkin/articles/ocean 1.htm, 15 U. Pittsburgh
Journal of Law and Commerce 395, 1996.
Khare, Rohit, "Session-ID", w3.org, http://lists.w3.org/Archives/Public/www-
logging/msg00066.html, Feb. 16, 1996.
"Anonymous Delivery of Goods in Electric Commerce", IBM Technical Disclosure
Bulletin, pp. 363-366, Mar. 1996.
"CGI Programming On The World Wide Web, "1st Ed.,
http://www.oreilly.com/openbook/cgi08_03.html, Shishir Gundavaram, Mar. 1996.
"How Cookies Work (client-side persistent information),
"http://www.newnet.co.uk/help/netscape/cookies.html, May 13, 1996.
Williams, Sara, "Internet Component Download", Microsoft Interactive Developer, pp.
49-52, Summer 1996.
"CGI Scripts and Cookies", The Perl Journal, Issue 3,
http://www.samag.com/documents/s=1282/sam01030003/, Fall 1996.
Bailey, Craig C., "Persistent Cookies", Modem Operandi FAQt,
http://www.vermontguides.com/modem/fagteg14.htm, Dec. 1996.
Glave, J., "PGP Lets You Take Charge of Your Cookies",
http://www.wired.com/news/print0%2C1294%2C928%2C00,html, Dec. 10, 1996.
```

```
"Browser Cookies are Persistent, Not Necessarily Evil",
http://www.wired.com.news/topstories/0,1287,887,00.html, Dec. 11, 1996.
"The Unoffical CookieFAQ--Version 2.54," http://www.cookiecentral.com/faq/,
Copyright 1997-2001.
http://www.cookiecentral.com/dsm.htm, "The Dark Side of Cookies", Copyright 1997-
1998.
"HTTP State Management Mechanism", http://www.ieff.org/rfc/rfc2109.txt, Feb. 1997.
"Browser Users to Watch Cookies," CNETNews.com, http://news.com.com/2100-1001-
277942.html?legacy=cnet, Mar. 13, 1997.
Bruner, Rick E., "Cookie Proposal Could Hinder Online Advertising", Adage,
http://www.adge.com/news.cms?newsld=359, Mar. 31, 1997.
"Chocolate Chip Cookies +Automating New!,"
http://tech.irt.org/articles/js016/index.htm, Apr. 21, 1997.
"Catalink Direct, Inc.," Info Magazine,
http://www.cors.com/clients/profiles/catalink.htm, Spring Ed., 1998.
Flavin, et al., "Management of distributed applications in large networks," 1988
IEEE publication, pp. 232-241, Copyright 1998.
"Classic HTTP Documents," http://www.w3.org/Protocols/Classic.html, May 14, 1998.
"Persistent Client State HTTP Cookies",
http://home.netscape.com/newsref/std/cookie_spec.html, Copyright 1999.
"Session Tracking", Servlet Tutorial, http://www.apl.jhu/.about.hall/java/Servlet-
Tutorial-Session-Tracking. html, Copyright 1999.
Greenspun, Philip, "Philip & Alex's Guide to Web Publishing," Morgan Kaufmann
Publishers Inc., pp. 240-252, 260-265, 470-476, 518-521, Copyright 1999.
http://www.automation.rockwell.com/copyright/cookies.html, "Cookies", Copyright
1999.
Wilson, Tim, "Web Site Mining Gets Granular", InternetWeek, n 758, 1999.
Wagner, Mitch, "As Agency DoubleClick Heads Off Downtime With Redudant Systems",
Internet Week, 21, Seo. 13, 1999.
McDermott, Irene E., "Come Out, Come Out, Wherever You Are: Directories on the
Web", Searcher, Jun. 2000.
"In the Beginning there was NCSA Mosaic . . .
,"http://archive.ncsa.uiuc.edu/General/CommGroup/MosaicHistory/history.html, Mar.
27, 2001.
"Cookie, "http://www.webopedia.com/TERM/c/cookie.html, Jan. 4, 2002.
Catalink Direct, PECOS Personal Electronic Catalog and Ordering System diskette.
Overview of New Electronic Marketing & Communications Channel From Pipeline, letter
from Pat Dane of Pipeline Communications to Harland Levinson and Dick Reisman of
Unet (Apr. 13, 1994 (Fax header states Apr. 14, 1995)).
Demo disk that accompanied item # 12K.
Dow Vision Broadcast Spercification, Dow Jones & Company, Inc., Copyright 1989-92.
CRA--Philippe Rabergeau, "Client Remote Access Specifications--Preliminary," pp. 1-
8, Mar. 24, 1994.
Philippe Rabergeau, "My American Dream--Map for Gateway Highway 94," Mar. 13, 1994.
Gateway Software, Inc., "For Your Information . . . ," company flier (no date).
Letter from David Stets to Dick Reisman regarding Retrieval Technologies Inc.,
including company overview, product descriptions for News Machine, Multi-Serve
Gateway, and XFE products, features description for New Machine product (printed
Nov. 12, 1991), and Press Release for the Translation Mode Access feature for News
Machine, Mar. 10, 1992.
"News Machine Transaction Mode Access Interface Specification," Retrieval
Technologies, Inc., revised Feb. 24, 1992.
"News Machine System Description," Retrieval Technologies, Inc., revised Jan. 1992.
"GView: A Software Solution," Delphi Internet Services Corporation (no date).
"GView Architecture Version 1.1," Delphi Internet Services Corporation (Dec. 31,
```

Functional Specification: GView Delphi Applications Version .03, Delphi Internet

Services Corporation, Dec. 31, 1993.

1993).

```
"CompuServe Communications Toolbox Prospetive Developer Information," CompuServe Inc., copyright 1994.
```

"Frequently Asked Questions about Intermind's Patents," Intermind Coporation FAQ, http://www.intermind.com/materials/patent_faq.html.

"Intermind Announces Approval of First Patent Application," Intermind Corporation Press Release, http://www.intermind.com/inside/press_rel/100797_allow.html, Oct. 1997.

"About Intermind's Channel Communications Patents," Intermind's Patent Description, http://www.intermind.com/materials/patent desc.html.

"ProComm" Reference Manual, DatastormTechnologies, Inc., 1986.

"Central Point Commute: Fast Remote Control of PCs Running Windows or DOS", Central Point Sortware, Inc., 1992.

"Beyond Store and Forward: Extending ESD: Xcellenet Routing Server cuts out the Middleman", Data Communications, Jun. 1993.

"CompuServe" Quick Start Guide, CompuServe, 1994.

"When Worlds Collide", CD ROM WORLD, Nov. 1994.

Intermedia Conference, (transcript), Mar. 1994., pp. 81-83 and 1 other.

"Exploring Hybrid World of CD-Rom/On-Line Products", Multimedia Week, Mar. 7, 1994.

"What is CompuServeCD" , received Apr. 29, 1994.

"Software Distribution is still a bad dream", PC Week, Mar. 28, 1994, p. 54.

"Browers Make Navigating the World Wide Web a Snap", The New York Times, Jan. 29,

"Interactive Media Works Debuts sampleNET", Interactive Media Works, news release dated Jul. 17, 1995.

DIGITAL DELIVERY Product Data Sheet, Digital Delivery, Inc., Sep. 17, 1995.

DIGITAL DELIVERY Launches Unique Delivery Agent; Introduces First Delivery Agent to Seamlessly Provide PC Users With Fully-Formatted Content, Business Wire, Oct. 3, 1995.

"CMP is First Technology Publishers to Deliver Web Content to the Desktop", CMP News, Oct. 18, 1995.

"The Future of Audio CD's ", Microsoft CD Plus Event Page, Microsoft Corp., Dec. 4, 1995.

"Marketing via Teleshuttle", Letter from Richard Reisman to Lou Jorfan dated May 22, 1995 with enclosure, "A Short White Paper on the Teleshuttle Solution", Teleshuttle, May 5, 1995.

"LinkStar Announces Site Launcher", LinkStar Communications Corporation, Feb. 26, 1996.

"Frontier Technologies' CyberSearch 2.0 Internet Search Tool Now Works With Popular Browers", Frontier Technologies Corporation, Apr. 5, 1996.

"CyberSearch 2.0 Beta Manual", Frontier Technologies Corporation, Apr. 5, 1996.

"CD Plus Technical Information", Microsoft CD Plus Event Page, Microsoft Corp., Dec. 4, 1995.

"Open market Announces New Desktop Software to Deliver Resources of the World Wide Web Directly to the User", OM-Express News Release, Apr. 16, 1996.

"How to Publish an OM-Express Package", OM-Express Product Information, Apr. 16, 1996.

"MarketScape WebCD 1.0 Bypasses Internet Bottlenecks", MarketScape Press Release, MarketScape, Inc., Aug. 26, 1996.

"Reality's Wealth Builder 3.0" User's Guide, Money Magazine, Reality Technologies, Inc., 1992.

"Reality's Wealth Builder" Version 3.1 Supplement, Money Magazine, Reality Technologies, Inc., Apr. 1993.

"Aren't you glad you waited?", QmodemPro for Windows Advertisement, Mustang Software, Inc.

"XcelleNet RemoteWare: Integrated Mobile Communications", Operations Automation Strategies Research Note, Jul. 26, 1993.

C. Bowman, P. Danzig, D. Hardy, U. Manber, M. Schwartz & D. Wessels "Harvest: A Scalable, Customizable Discovery and Access System" Mar. 12, 1995.

D. Hardy & M. Schwartz "Customized Information Extraction as a Basis for Recsource

Dicovery" Mar. 1994.

- William G. Camargo "The Harvest Broker," Dec. 1994.
- D. Bilterman, G. van Rossum and R. van Liere "A Structure for Transportable, Dynamic Multimedia Documents" US-ENIX, Summer '91 Nashville, TN.
- G. Almes and C. Holman "Edmas: An Object-Oriented, Locally Distributed Mail System" IEEE Transactions on Software Engineering, Sep. 1987.
- G. Almes, A Black, C. Bunie and Weibe "Edmas: A Locally Distributed Mail System" IEEE, 1984.
- W. Bender, H. Lie, J. Orwant, L. Teodosio, & N. Abramson "Newspace: Mass Media and Personal Computing," USENIX-Summer '91-Nashville TN.
- R. Thomas, H. Forsdick, T. Crowley, R. Schaaff, R. Tomlinson & V. Travers "Diamond: A Multimedia Message System Built on a Distributed Architecture" IEEE, Dec. 1994.
- S. Ramanathan & P.V. Rangan "Architectures for Personalized Multimedia" IEEE, 1994.
- N. Yankelovich, B. Haan, N. Meyrowitz & S. Drucker "Intermedia: The Concept and the Construction of a Seamless Information Environment" IEEE, Jan. 1988.
- D. Woelk, W. Kim & W. Luther, "An Object-Oriented Approach to MultiMedia Database," ACM 1986.
- N. Borestein, C. Everhart, J. Rosenberg, A. Stoller "A Multi-media Message System for Andrew" USENIX Winter Conference Feb., 1988.
- S. Jackson & N. Yankelovich "InterMail: A Prototype Hypermedia Mail System" Hypertext 91 Proceedings Dec. 1991.
- E. Hoffert & G. Gretsch, "The Digital News System at Ed.ucom: A Convergence of Interactive Computing Newspaper, Television and High Speed Networks" Communications of the ACM Apr. 1991.
- D. Crocker, E. Szurkowski & D. Farber "An Internetwork Memo Distribution Capability--MMDF" IEEE, ACM 1979.
- Douglas Englebert "Authorship Provisions in Augment" IEEEE, 1984.
- J.J. Garcia-Luna-Aceves "Towards Computer-Based Multimedia Information Systems" Computer Message System 85, 1986.
- Debra P. Deutsch, "Implementing Distribution Lists in Computer-Based Message Systems," Computer-Based Message Services, IFIP, 1984.
- T. Purdy, D. Thorslund & N. Witchlow "Merdian SL Messaging" Computer Message Systems-85 IFIP, 1986.
- Michael Tschichholz "Message Handling System: Requirements to the User Agent" Computer Message Systems-85, IFIP, 1986.
- Lother Wosnitza "Group Communication in the MHS Context" Computer Message System 85 IFIP, 1986.
- Jacob Palme "Distrbution Agents (mailing lists) in Message Handling Systems" Computer Message Systems 85 IFIP, 1986.
- Teresa F. Lunt "A Model for Message System Security" Computer Message Systems 85 IFIP, 1986.
- A. Roger Kaye "A User Agent for Multiple Computer-Based Message Services" Computer-Based Message Services, IFIP 1984.
- Paul Wilson "Structure for Mailbox System Applications" Computer-Based Message Services, IFIP 1984.
- J. Postel, G. Finn, A. Katz & J. Reynolds "The ISI Experimental Multimedia Mail System" Information Sciences Institute, Sep. 1986.
- E. Moeller, A. Scheller & G. Schurmann "Distributed Processing of Multimedia Information" IEEE Computer Society Proceedings May 28-Jun. 1, 1990.
- Richard L. Phillips "An Interpersonal Multimedia Visualization System" IEEE Computer Graphics & Applications IEEE 1991.
- Jacob Palme "You Have 134 Unread Mail! Do You Want to Read Them Now?" Computer-Based Message Services IFIP, 1984.
- Michael Caplinger "An Information System Based on Distrbuted Objects" OOPSLA '87 Proceedings.
- M. Papa, G. Raguiccini, G. Corrente, M. Ferrise, S. Giurleo and D. Vitale "The Development of an Object-Oriented Multimedia Information System" Lecture Notes in Computer Science, Sep. 1994.
- Silvano Maffeis "A Flexible System Design to Support Object-Groups and Object-

Oriented Distrubuted Programming" Lecture Notes in Computer Science, Jul. 1993.
R. Gotze, H. Eirund & R. Claass in "Object-Oriented Dialog Control for Multimedia User Interfaces" Lecture Notes in Computer Science-Human Computer Interaction Sep. 1993.

Chris Maeda "A Metaobject Protocol for Controlling File Cache Management" Lecture Notes in Computer Science, Mar. 1996.

- A. Joseph, A. deLespinasse, J. Tauber, D. Gifford & M. Kaashoek "Rover" A Toolkit for Mobile Information Access SIGOPS '95 1995. ACM.
- Wolfgang Lux "Adaptable Object Migration: Concept and Implementation" Operating Systems Review Apr. 1995.
- R. Campbell, N. Islam, R. Johnson, P. Kougiouris & P. Madany "Choices, Frameworks and Refinement" Department of Computer Science, University of Illinois, Dec. 1991. Klemens Bohm & Thomas C. Rakow "Metadata for Multimedia Documents" SIGMOD Record, vol. 23, No. 4, Dec. 1994.
- Simon Gibbs "Composite Multimedia and Active Objects", OOPSLA '91.
- T. Purdin, R. Schlichting & G. Andrews "A File Replication Facility for Berkeley Unix" Software Practice and Experience, vol. 17, Dec. 1987.
- A. Black, N. Hutchinson, E. Jul & H. Levy "Object Structure in the Emerald system" OOPSLA '86 Proceedings.
- Daniel T. Chang "Coral: A Concurrent Object-Oriented System for Constructing and Executing Sequential, Parrallel and Distributed Applications" OOPS Messenger, Apr. 1991.
- A. Birrell, G. Nelson, S. Owicki & E. Wobber "Network Objects" Proceedings of the 14.sup.th ACM Symposium on Operating Systems Principles, Dec. 5-8, 1993.
- Jacques Ferber "Computational Reflection in Class based Object Oriented Languages" OOPSLA '89 Proceedings.
- Michael Caplinger "An Information System Based on Distributed Objects" OOPSLA '87 Proceedings.
- C. Fung & M. Pong "MOCS: an Object-Oriented Programming Model for Multimedia Object Communication and Synchronization" 1994 IEEE.
- T. Hase & M. Matsuda "A New Audio-Visual Control Using Message Object Transmission", 1994 IEEE, Nov. 1994.
- F. Horn & J. Stefani "On Programming and Supporting Multimedia Object Synchronization" The Computer Journal, vol. 36, No. 1, 1993.
- T. Little & A. Ghafoor Spatio-Temporal Composition of Distributed Multimedia Objects for Value-Added Networks, IEEE, 1991.
- M. Vazirgiannis & C. Mourlas "An Object-Oriented Model for Interactive Multimedia Presentations" The Computer Journal, vol. 36, No. 1, 1993.
- Cosmos Nicolaou "Architecture for Real-Time Multimedia Communications Systems", 1990 IEEE, Apr. 1990.
- Ralf Steinmetz "Synchronization Properties in Multimedia Systems" 1990 IEEE, Apr. 1990.
- T. Little & A. Ghafoor "Network Considerations for Distributed Multimedia Object Compsition and Communications" 1990 IEEE Network Magazine, Nov. 1990.
- K. Smith and S. Zdonik "Intermedia: A Case Study of the Differences Between Relational and Object-Oriented Database Systems" OOPSLA '87 Proceedings.
- N. Yankelovich, B. Haan, N. Meyrowitz & S. Drucker "Intermedia: The Concept and the Construction of a Seamless Information Environment" Jan. 1988 IEEE.
- S. Ramanathan & P. Rangan "Architectures for Personalized Multimedia" 1994 IEEE. Marvin Sirbu and J.D. Tygar, "Netbill: An Internet Commerce System Optimized For Network-Delivered Services", IEEE Personal Communications Magazine, pp. 34-39, Aug. 1995.
- Henrik Eriksson, "Expert System As Knowledge Services", IEEE Expert Magazine, pp. 14-19, Jun. 1996.
- Budi Yuwono and Dik Lun Lee, "Wise: A World Wide Web Resource Database System", IEEE Transactions on Knowledge and Data Engineering, vol. 8, No. Aug. 1996.
- H. Penny Nii "Blackboard Systems" The Al Magazine, Summer, 1986. AppleShare, Apr. 1995.
- "Manual Page for Unix NFS Mount Command".
- "Manual Page for Unix FSTAB Command".

```
Phil Lapsley and Brian Kantor "Network News Transfer Protocol", Feb. 1986.
Brian Kantor and Phil Lapsley, Network News Transfer Protocol, "A Proposed Standard
for the Stream-Based Transmission of News", Feb. 1986.
M. Crispin "Networking Group", University of Washington, Dec. 1996.
Terry Gray Comparing Two Approached to Remote Mailbox Access: IMAP vs. POP,
University of Washington.
Terry Gray "Message Access Paradigms and Protocols", University of Washington, Aug.
1995.
"Head's Up Your Sory Request," by Mike Langberg, San Jose Mercury News, CA, CD-ROM
Column, Knight Ridder, Tribune Business News, File 10424154.800, Apr. 24, 1994.
"CD-ROM's: They're Not Just for Entertainment," by Laurie Flynn, The New York
Times, Sunday, Apr. 24, 1994, p. 10.
1994 Intermediate Conference, San Jose, CA, Mar. 1-3, 1994 (7 pages).
"Microsoft Complete Baseball" Product Brochure, Microsoft Corp. product announced
Mar. 1, 1994.
CompuServe Introductory Membership, CompuServe, print date Dec. 1992.
"Plug and Play Making Add-In Cards Play Automatically," Intel Technology Briefing
(4 pages).
Daily Federal Register, 1993, Counterpoint Publishng, Fall 1993.
The Federal Register, product brochure, Counterpoint Publishing, Fall 1993.
"Counterpoint's Compact Disk Federal Register" order form, Counterpoint Publishing.
"Code of Federal Regulations on CD-ROM," Counterpoint Publishing.
"Compact Disk of Federal Register" price list, Counterpoint Publishing Co., Jul. 1,
"Microsoft Messaging Application Program Interface (MAPI)," created Jan. 1993,
Microsoft Corp.
"WOSA Backgrounder: Delivering Enterprise Services to the Windows-based Desktop,"
created Jul. 1993, Microsoft Corp.
"RemoteWare Software Licenses," fee list, Xcellenet, Inc., Aug. 16, 1993.
"RemoteWare Server," product brochure, Xcellenet, Inc., 1992.
"RemoteWare Communications Management System," product brochure, Xcellenet, Inc.
"RemoteWare Mail," product brochure, Xcellenet, Inc.
"RemoteWare Documents," product brochure, Xcellenet, Inc. 1992.
"Remote Ware Reports," product brochure Xcellenet, Inc., 1992.
"Software Solution Helps Pull Satellite Offices Into Network Environment," by
Kathleen Doler, Investors Business Daily, Mar. 10, 1983, vol. 9, No. 231.
"Simple MAPI," Microsoft Corp., 1993.
The Frye Utilities for Networks, "Software Update and Distribution System," Frye
Computer Systems, Inc., Copyright 1992.
David Snyder, "The Poor Man's Mirror Script," 8 page printout of software
documentation, Nov. 30, 1984.
Fitzpatrick et al., "Automatic Mirroring of the IRAF FTP and WWW Archives,"
Contents of WWW Web Site, http://iraf.nano.edu:80/project/mirror/, as of Mar. 18,
1997.
Online Business Tofay Archives, Home Page Press, Inc., Contents of WWW Web Site,
http://www.hpp.com/s-clickshare95.html, as of Mar. 19, 1997.
"Go-Get-It, INTERNET Personal Agent Thrills Net Users," NorthTech Software Inc.,
1994, Contents of WWW Web Site, http://www.hpp.com/gogetit.html, as of Mar. 19,
1997.
"Mirror Applescript-Find Your Salvation with a Mirror Script for the Macintosh!, "
Jim Matthews, Contents of http://www.darmouth.edu/pages/softdev/fetch.html, as of
Mar. 18, 1997.
"NetTerm-the Ultimate telnet experiencel," InterSoft International, Inc., Contents
of http://starbase.neosoft.com/'zkrr01/netterm.html, as of Mar. 18, 1997.
"About Marimba: A Word from Marimba's President and CEO, Kim Polese," Contents of
WWW Web Site http://www.marimba.com/about executive over.html as of Nov. 17, 1998.
"Marimba Products: Marimba's Castanet.TM.: An Essential Part of Your E-Business
InFrastructure," Content of WWW Web Site
http://www.marimba.com/product/content/product.html as of Nov. 17, 1998.
```

```
"Mirmba Library," Contents of WWW Web Site, http://www.marimba.com/datasheets/ as of Nov. 17, 1998.
```

Dow Jones News Ser.backslash.vice (DowVision.TM.) Lecture Presentation Handout, lecture presented by Charles I. Brady at the Wall Street Workstation Conference, New York City, NY, Oct. 11-12, 1989.

Lecture Presentation Notes on the Folio World-Wide-Web Retriever 3.1, presented by Jeff Gammon at the Infobase '95 Conference, Copyright 1995.

UNIX User's Reference Manual (URM), 4.3 Berkley Software Distribution Virtual VAX-11 Version, Apr. 1986 (including the description of a RDIST--a remote file distribution program--4 pages).

UNIX System Manager's Manual (SMM), 4.3, Berkeley Software Distribution Virtual VAX-11 Version, Apr. 1986 (including a document entitled "A Fast File System for UNIX," by Marshall McKusick et al., pp. SMM 14-1 through SMM 14-15.

Nachbar, Daniel, "When Network File Systems Aren't Enough: Automatic Software Distribution Revisited," Proceedings of the USENIX Association Summer Conference, pp. 159-171, Atlanta, GA, Jun. 9-13, 1986 (including a description of a method and system for updating computer files called "Track").

Mockapetris, P., "Domain Names--Implementation and Specification," Network Working Group, Request for Comments--883, Nov. 1983.

Saltzer, J., "On the Naming and Binding of Network Destinations," Networking Group, Request for Comments--1498, Aug. 1993.

P. Venkat Rangan, Harrick M. Vin, and Srinivas Ramanathan--"Designing an On-Demand Multimedia Service"--Jul. 1992.

"Intercepting Telnet Data" IBM Technical Disclosure Bulletin. Jun. 1993.

D. Chaum, A. Fiat, M.. Naor "Untraceable Electronic Cash".

Schamu ller-Bichl--"IC-Cards in High-Security Applications".

"Value Exchange systems Enabling Security and Unobservability"--Holger Burk and Andreas Pfitzmann--1990.

"SNPP: A Simple Network Payment Protocol", S. Dukach.

"Electronic Currency for the Internet", EM-Electronic Markets/No9/pp 30 and 31. Sep. 93.

"NetCash: A design for practical electronic currency on the Internet", G. Medvinsky and B. Clifford Neuman.

"Why Cryptosystems Fail", R. Anderson--University Computer Laboratory.

R.J. Anderson, "UEPS--A Second Generation Electronic Wallet".

Article "CaseStudy: The CIRRUS Banking Network", D. Gifford, A. Spector--vol.28-Aug. 1985.

"Electronic Wallet", S.Even and Oded Goldreich, Computer Science Dept. Technion, Haifa, Israel.

"Object Migration and Authentication", V.D. Gligor and B.G. Lindsay--IEEE Transactions on Software Engineering, vol. SE-5, No. 6, Nov. 1979.

B. Clifford Neuman, Proxy-Based Authorization and Acounting for Distributed Systems.

Ipower Technology--"The future is Secure", Brochure.

The Basic Elements of an EFTS: "The Point of Sale Terminal".

"Authentication and Delegation with Smart-cards", M. Abadi, M. Burrows, C. Kaufman, B. Lampson, Oct. 22, 1990, Revised Jul. 20, 1992.

Carnegie Mellon University Information Networking Institute, "Internet Billing Server Prototype Scope Document INI Technical Report 1993-1", Oct. 14, 1993. Smart Card Augmentation of Kerberos, M. Krajewski, Jr. The MITRE Corporation. Concept for a Smart Card Kerberos, M. Krajewski, Jr. The MITRE Corporation. Article--Case Study: "The VISA Transactions Processing System" K. Harty, L. Ho, May

Article--Case Study: "The VISA Transactions Processing System" K.Harty, L.Ho, May 30, 1988.

International Standard--"Bank card originated messages--Interchange message specifications--content for financial transactions" First edition Aug. 15, 1987. "The MD5 Message-Digest Algorithm", R. Rivest RFC 1321, Apr. 1992.

"Security Mechanisms in High-Level Network Protocols", V.L. Voydock and S.T. Kent. Computing Surveys, vol. 15, No. 2, Jun. 1983.

"Adding Capability Access to Conventional File Servers", F.M. Needham.

"A Method for Obtaining Digital Signatures and Public-Key Cryptosystems", R.L.

Rivest, A. Shamir, and L. Adleman.

Memorandum from P. Trubey Subject: "Protocol Proposal based on SNPP", Nov. 24, 1993

"Internet Billing Serivce Design and Prototype Implementation", M.A. Sirbu.

"Payment Systems" -- Book.

National Westminster Bar--"Clearing House Automated Payments System".

"Paying Bills Electronically".

"Achieving Electronic Privacy", D. Chaum--Aug. 1992.

"Shopping--The Electronic Mall", CompuServe--CS-597/Shopping.

MIT/I.CS/TM-419, "Notes on Community Information Systems", D.K. Gifford--Dec. 10, 1989.

"Active Message Processing: Messages As Messengers", J. Vittal 1981.

"SmartCash: A practical electronic payment system", J.N.E. Bos, D. Chaum.

American National Standard--"Financial Institution Retail Message Authentication", American Bankers Association--Aug. 13, 1986.

American National Standard--"Interchange Message Specification for Debit and Credit Card Message Exchange Among Financial Institutions" --American Bankers Association--May 16, 1988.

"S.W.I.F.T--The industry standard for linking financial institutions." --Society for WorldWide Interbank Financial Telecommunication S.C.

"Implementing Capability-Based Protection Using Encryption", D.L. chaum and R.S. Fabry, Jul. 17, 1978.

"Cryptographic Sealing for Information Secrecy and Authentication" D.K. Gifford, Communications of the ACM vol.25, No.4, Apr. 1982.

"Development of Network Infrastructure and Services for Rapid Acquisition", J.M. Tenenbaum and A.M. Schiffman, Jan. 2, 1992.

"Computerized Commerce", D. Cohen, ISI Reprint Series, Oct. 1989.

SAEF Product Review, 1988, Chapter 2.*

Rosenberg, Steven (ed.), "Over-the-phone PPV", Cable TV Technology, No. 27, Jun. 4, 1982, pp. 1-2.*

Int'l Stock Exchange Preps New Networks, Network World, 23, Nov. 1988.

ART-UNIT: 2185

PRIMARY-EXAMINER: Gaffin; Jeffrey

ATTY-AGENT-FIRM: Westerlund Powell, P.C. Reisman; Richard R. Powell, Jr.; Raymond H. J.

ABSTRACT:

A novel electronic information transport component can be incorporated in a wide range of electronic information products, for example magazine collections, to automate the mass distribution of updates, such as current issues, from a remote server to a wide user base having a diversity of computer stations. Advantages of economy, immediacy and ease of use are provided. Extensions of the invention permit automated electronic catalog shopping with order placement and, optionally, order confirmation. A server-based update distribution service is also provided. In addition, an offline web browser system, with hyperlink redirection capabilities, a novel recorded music product with automated update capabilities and an Internet charging mechanism are provided.

46 Claims, 13 Drawing figures

First Hit Fwd Refs End of Result Set

Generate Collection Print

L6: Entry 5 of 5

File: USPT

Apr 25, 2000

US-PAT-NO: 6055513

DOCUMENT-IDENTIFIER: US 6055513 A

** See image for <u>Certificate of Correction</u> **

TITLE: Methods and apparatus for intelligent selection of goods and services in

telephonic and electronic commerce

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Katz; Ronald A. Los Angeles CA
West; Gary L. Omaha NE
Barker; Thomas B. Omaha NE

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Telebuyer, LLC Los Angeles CA 02

APPL-NO: 09/ 038399 [PALM] DATE FILED: March 11, 1998

INT-CL: [07] G06 F 17/60

US-CL-ISSUED: 705/26; 705/27, 705/10, 705/14 US-CL-CURRENT: 705/26; 705/10, 705/14, 705/27

FIELD-OF-SEARCH: 705/10, 705/1, 705/26, 705/27, 705/14

Search Selected

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
	4792968	December 1988	Katz	379/92.03
	4799156	January 1989	Shavit et al.	705/26
	4825045	April 1989	Humble	235/383
\Box	4833308	May 1989	Humble	235/383
	4845739	July 1989	Katz	379/92.03

. .

	4870579	September 1989	Неу	705/27
	4908761	March 1990	Tai	705/14.
	4910672	March 1990	Off et al.	705/14
	4996642	February 1991	Неу	705/27
П	5053957	October 1991	Suzuki	705/14
	5056019	October 1991	Schultz et al.	705/14
	5173851	December 1992	Off et al.	705/14
	<u>5201010</u>	April 1993	Deaton et al.	382/139
	<u>5305196</u>	April 1994	Deaton et al.	705/10
	5327508	July 1994	Deaton et al.	382/100
	5353218	October 1994	De Lapa et al.	705/14
1	5353219	October 1994	Mueller et al.	705/16
	5388165	February 1995	Deaton et al.	382/139
	5412708	May 1995	Katz	348/14
	5430644	July 1995	Deaton et al.	705/14
	5448471	September 1995	Deaton et al.	705/14
	<u>5481094</u>	January 1996	Suda	705/14
	5495284	February 1996	Katz	348/15
	5502636	March 1996	Clarke	705/10
	5504675	April 1996	Cragun et al.	705/14
	<u>5576951</u>	November 1996	Lockwood	705/27
	5583763	December 1996	Atcheson et al.	707/3
	5592560	January 1997	Deaton et al.	382/100
	5612868	March 1997	Off et al.	705/14
	5615342	March 1997	Johnson	705/27
	5621812	April 1997	Deaton et al.	382/100
	<u>5625776</u>	April 1997	Johnson	705/27
	<u>5638457</u>	June 1997	Deaton et al.	382/100
	5642485	June 1997	Deaton et al.	705/14
	5644723	July 1997	Deaton et al.	705/14
	5649114	July 1997	Deaton et al.	705/14
	<u>5659469</u>	August 1997	Deaton et al.	705/14
	<u>5689553</u>	November 1997	Ahuja et al.	379/202
	<u>5710887</u>	January 1998	Chelliah et al.	705/26
Π	5715399	February 1998	Bezos	705/27
	5758328	May 1998	Giovannoli et al.	705/26
	5794207	August 1998	Walker et al.	705/1

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO94/21084	September 1994	WO	
WO97/21183	June 1997	WO	
WO 98/34189	August 1998	WO	
WO 98/53406	November 1998	WO	
WO98/58334	December 1998	WO	
WO99/06914	February 1999	WO	
WO99/13424	March 1999	WO	

OTHER PUBLICATIONS

Middleton, T., "IT Stars in Video Chain's Rollout, Blockbuster Integrates Customer Data on Multiple Platforms", Jan. 30, 1995.

Peppers et al., "The One to One Future Building Relationships One Customer at a Time", .COPYRGT. 1993, 1996, pp. 3-17; 40-43.

Alta Vista Alters its Vision of the Market, Abstract from Wall Street Journal (1996).

Amazon.com Website Printout dated Feb. 22, 1998.

Amazon.com Website Printout dated Feb. 24, 1998.

Amazon.com Website Printout dated Jul. 8, 1998.

Angiolillo, J. et al., "Personal Visual Communications Enters the Marketplace", AT&T Technology Products, Systems and Services, vol. 7, No. 3, pp 18-28, Fall, 1992.

Arbor Software Website Printouts dated Jun. 30, 1998.

Brittan, David, "Being There--The Promise of Multimedia Communications", Technology Review, pp 43-50, May/Jun., 1992.

Cerbone, R., "The Coming HDTV Wave", AT&T Technology Products, Systems and Services, vol. 7, No. 3, pp 14-17, Fall, 1992.

Charles Schwab Asset Allocation Toolkit Website Printout dated Feb. 20, 1998.

DoubleClick on New Media Buying, Abstract from Inside Media (1996).

DoubleClick S1 Statement dated Feb. 19, 1998.

Englander, A.C., "Creating Tomorrow's Multimedia Systems Today", AT&T Technology Products, Systems and Services, vol. 7, No. 3, pp 24-30, Fall, 1992.

Ensor, J. R., "The Rapport Multimedia Conferencing System--A Software Overview", IEEE, pp 52-58.

Fidelity Investments Letter from J. Gary Burkhead to Investors, dated Feb. 1, 1998.

Harvey, D.E., "Videoconferencing Systems: Seeing Is Believing", AT&T Technology Products, Systems and Services, vol. 7, No. 3, pp 7-13, Fall, 1992.

Kohda et al., "Ubiquitous Advertising on the WWW: Merging Advertisment on the Browser", Proceedings of the Fifth International World Wide Web Conference, May, 1996 (France).

Paragren Website Printouts dated Jun. 30, 1998.

Posko, J.L., "Versatile Services Streamline Global Videoconferencing", AT&T Technology Products, Systems and Services, vol. 7, No. 3, pp 2-8, Fall, 1992.

ART-UNIT: 271

PRIMARY-EXAMINER: Voeltz; Emanuel Todd

ASSISTANT-EXAMINER: Morgan; George D.

ATTY-AGENT-FIRM: Lyon & Lyon LLP



ABSTRACT:

Apparatus and methods are provided for effecting remote commerce, such as in telemarketing (either inbound or outbound) and in electronic commerce, which are particularly adapted for the intelligent selection and proffer of products, services or information to a user or customer. In one aspect of the invention, goods, service or information are provided to the user via electronic communication, such as through a telephone, videophone or other computer link, as determined by the steps of first, establishing communication via the electronic communications device between the user and the system to effect a primary transaction or primary interaction, second, obtaining data with respect to the primary transaction or primary interaction, including at least in part a determination of the identity of the user or prospective customer, third, obtaining at least a second data element relating to the user, fourth, utilizing the primary transaction or primary interaction data along with the at least second data element as factors in determining at least one good, service or item of information for prospective upsell to the user or prospective customer, and offering the item to the prospective customer. In the preferred embodiment, the selection of the proffer of goods, services or information comprises an upsell with respect to the primary transaction or primary interaction data. The offer of the upsell is preferably generated and offered in real time, that is, during the course of the communication initiated with the primary transaction or primary interaction.

267 Claims, 10 Drawing figures